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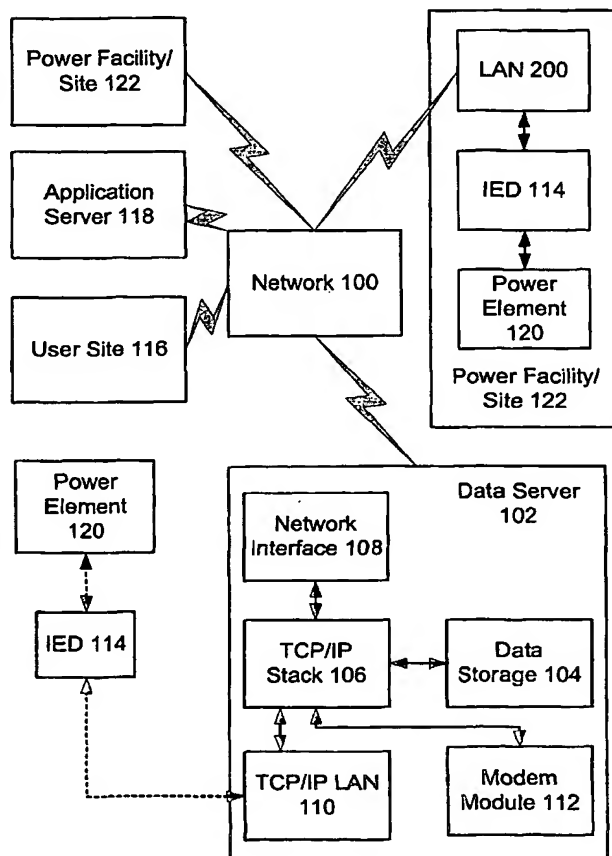
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[Continued on next page]

(54) Title: MONITORING AND CONTROL OF FIELD ELECTRICAL POWER EQUIPMENT



(57) Abstract: A power facility (122) has at least one power element (120) and a system monitors/controls at least a portion of the power facility. In the system, a field drop (114) is coupled to each element for monitoring same, reporting status data, receiving control information, and controlling such element. A local area network (LAN) couples each field drop (114) to a hub, and a data server (102) is coupled to the hub. The data server (102) receives the status data from each field drop (114) and takes any appropriate action necessary in response thereto, and also allows a user to access any particular field drop (114) of the system to read data for the corresponding element and issue control commands for the element to be carried out by the corresponding field drop.

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IPC(7) : G05D 11/00

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Y | US 6,157,527 A (SPENCER e al.) 05 December 2000 (05.12.2000), Whole document. | 1-25 |
| Y | US 6,005,759 A (HART et al.) 21 December 1999 (21.12.1999), Whole document. | 1-25 |

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☐ See patent family annex.

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INTERNATIONAL SEARCH REPORT

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Continuation of Item 4 of the first sheet:

The title is more than 7 words.

MONITORING AND CONTROL OF FIELD ELECTRICAL POWER EQUIPMENT